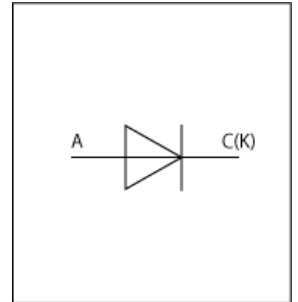


LTspice Model

ESD Protection Diode

HITACHI

U17E



Model Information

Model A macro model based on general SPICE diode model
Call Name MDC_U17E_LT
Pin Assign 1:A 2:C
File List Model Library MDC_U17E_LT01.lib
 Model Report MDC_U17E_LT.pdf (this file)

Verified Simulator Version LTspice version XVII
Note

References

The information which was used for modeling is as follow:

[Data Sheet]

- Date/Version N/A
- Product name U17E
- Company name Hitachi Power Semiconductor Device, Ltd.
- Characteristics IfVf[Temp],IrVr(Breakdown)

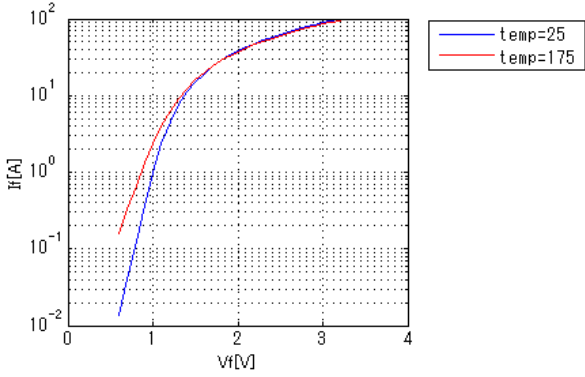
Simulation Range

This table shows the range of evaluated simulation range that was not occurs any convergence problems in this area.

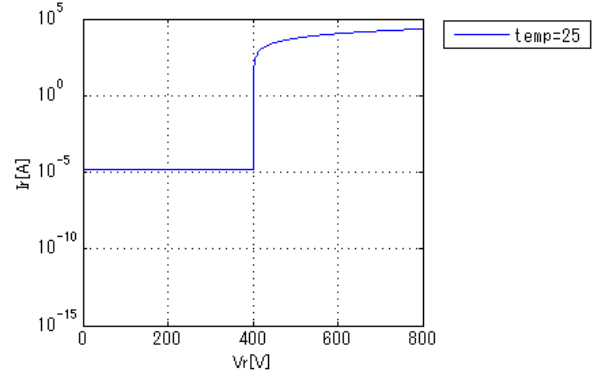
Item	Range			Unit
	Min.		Max.	
Forward Voltage	0	to	32	V
Reverse Voltage	0	to	1,270	V
Temperature	-40	to	175	deg C

Simulation results are following.
Explanatory notes — : simulated

IfVf[Temp]



IrVr(Breakdown)



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MoDeCH Inc.

Head Office

Location: Mitsuseimei Hachioji Bldg., 5-15 Yokoyama-cho, Hachioji-Shi, Tokyo 192-0081, Japan

Tel:+81-42-656-3360

E-Mail:model-on-support@modech.co.jp

URL:<http://www.modech.com/en/>